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EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDDDD TTTTTTTTTTTTTTTT
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EXE

Mod

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EDSYS
LIB

L18

```
CCCCCCCC HH HH MM MM FFFFFFFF IIIII NN NN EEEEEEEEE NN NN TTTTTTTTT
CCCCCCCC HH HH MM MM FFFFFFFF IIIII NN NN EEEEEEEEE NN NN TTTTTTTTT
CC HH HH MMM MMM FF II NN NN EE NN NN TT
CC HH HH MMM MMM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HHHHHHHH MM MM FFFFFFFF II NN NN EEEEEEE NN NN TT
CC HHHHHHHH MM MM FFFFFFFF II NN NN EEEEEEE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CCCCCCCC HH HH MM MM FF IIIII NN NN EEEEEEEEE NN NN TT
CCCCCCCC HH HH MM MM FF IIIII NN NN EEEEEEEEE NN NN TT

LL IIIII SSSSSSS
LL IIIII SSSSSSS
LL II SS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
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LL II SS
LLLLLLLLL IIIII SSSSSSS
LLLLLLLLL IIIII SSSSSSS
```



```

0001 0 %TITLE 'EDT$CHMFINENT - find page and paragraph entities'
0002 0 MODULE EDT$CHMFINENT (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module finds the page and paragraph entities.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1 extracting the routine EDT$FND_ENT from module CHANGE.BLI.
0046 1 1-002 - Regularize headers. JBS 02-Mar-1981
0047 1 1-003 - Correct description of routine value. JBS 01-Oct-1981
0048 1 1-004 - Improve the appearance of the listing. JBS 13-Jun-1983
0049 1 --
0050 1

```


EDT\$CHMF INENT
V04-000

EDT\$CHMF INENT - find page and paragraph entitie
Declarations

D 8
15-Sep-1984 23:56:01
14-Sep-1984 12:22:30

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMF INENT.BLI;1

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(2)

```

: 52      0051 1 %SBTTL 'Declarations'
: 53      0052 1
: 54      0053 1 : TABLE OF CONTENTS:
: 55      0054 1 :
: 56      0055 1
: 57      0056 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 58      0495 1
: 59      0496 1 FORWARD ROUTINE
: 60      0497 1     EDT$$FND_ENT;
: 61      0498 1
: 62      0499 1 :
: 63      0500 1 : INCLUDE FILES:
: 64      0501 1 :
: 65      0502 1
: 66      0503 1 REQUIRE 'EDTSRC:EDTREQ';
: 67      0638 1
: 68      0639 1 :
: 69      0640 1 : MACROS:
: 70      0641 1 :
: 71      0642 1 :     NONE
: 72      0643 1 :
: 73      0644 1 : EQUATED SYMBOLS:
: 74      0645 1 :
: 75      0646 1 :     NONE
: 76      0647 1 :
: 77      0648 1 : OWN STORAGE:
: 78      0649 1 :
: 79      0650 1 :     NONE
: 80      0651 1 :
: 81      0652 1 : EXTERNAL REFERENCES:
: 82      0653 1 :
: 83      0654 1 :     In the routine
```

! Search for a page or paragraph entity

```

: 85      0655 1 %SBTTL 'EDT$$FND_ENT - find page and paragraph entities'
: 86      0656 1
: 87      0657 1 GLOBAL ROUTINE EDT$$FND_ENT (
: 88      0658 1     ENT,
: 89      0659 1     DIR,
: 90      0660 1     INC_DELIM
: 91      0661 1 ) =
: 92      0662 1
: 93      0663 1 !++
: 94      0664 1 FUNCTIONAL DESCRIPTION:
: 95      0665 1
: 96      0666 1     This routine is used to isolate the page and paragraph entities, which
: 97      0667 1     are based upon a search string which must be found.
: 98      0668 1
: 99      0669 1 FORMAL PARAMETERS:
: 100     0670 1
: 101     0671 1     ENT           The entity to search for
: 102     0672 1
: 103     0673 1     DIR           The direction to search
: 104     0674 1
: 105     0675 1     INC_DELIM     Include delimiter in the found string
: 106     0676 1
: 107     0677 1 IMPLICIT INPUTS:
: 108     0678 1
: 109     0679 1     NONE
: 110     0680 1
: 111     0681 1 IMPLICIT OUTPUTS:
: 112     0682 1
: 113     0683 1     NONE
: 114     0684 1
: 115     0685 1 ROUTINE VALUE:
: 116     0686 1
: 117     0687 1     1 = found, 0 = not found, 2 = terminated by control C
: 118     0688 1
: 119     0689 1 SIDE EFFECTS:
: 120     0690 1
: 121     0691 1     NONE
: 122     0692 1
: 123     0693 1 !--
: 124     0694 1
: 125     0695 2 BEGIN
: 126     0696 2
: 127     0697 2 EXTERNAL ROUTINE
: 128     0698 2     EDT$$STR_SEACMD,
: 129     0699 2     EDT$$CS_BOTBUF,
: 130     0700 2     EDT$$CS_LEFT,
: 131     0701 2     EDT$$CS_RIGHT,
: 132     0702 2     EDT$$CS_TOP;
: 133     0703 2
: 134     0704 2 EXTERNAL
: 135     0705 2     EDT$$G_SEA_BEG;
: 136     0706 2
: 137     0707 2 LOCAL
: 138     0708 2     SAVE BEGIN,
: 139     0709 2     SUCCEED;
: 140     0710 2
: 141     0711 2 !+
```



```
142 0712 2 | Temporarily put us in BEGIN mode, so we position to the beginning
143 0713 2 | of the entity delimiter.
144 0714 2 |
145 0715 2 |   SAVE_BEGIN = .EDT$$G_SEA_BEG;
146 0716 2 |   EDT$$G_SEA_BEG = 1;
147 0717 2 |
148 0718 2 |   If searching backward, move back the length of the delimiter before
149 0719 2 |   starting.
150 0720 2 |
151 0721 2 |
152 0722 2 |   IF (.DIR EQL DIR_BACKWARD)
153 0723 2 |   THEN
154 0724 2 |
155 0725 2 |       INCR I FROM 0 TO CH$RCHAR (.ENT) DO
156 0726 2 |       EDT$$CS_LEFT ();
157 0727 2 |
158 0728 2 |
159 0729 2 |   Do the search.
160 0730 2 |
161 0731 2 |   SUCCEED = EDT$$STR_SEACMD (CH$PTR (.ENT, 1), CH$RCHAR (CH$PTR (.ENT)), 0, .DIR);
162 0732 2 |
163 0733 2 |   Restore the BEGIN/END parameter.
164 0734 2 |
165 0735 2 |   EDT$$G_SEA_BEG = .SAVE_BEGIN;
166 0736 2 |
167 0737 2 |   Check to see whether or not it was found. If not then move
168 0738 2 |   to the top or bottom depending on the direction. In this case
169 0739 2 |   we want to fail if we are already at top or bottom.
170 0740 2 |
171 0741 2 |
172 0742 2 |   IF (.SUCCEED EQL 0)
173 0743 2 |   THEN
174 0744 2 |       BEGIN
175 0745 2 |
176 0746 2 |       IF (.DIR EQL DIR_BACKWARD)
177 0747 2 |       THEN
178 0748 2 |           BEGIN
179 0749 2 |           SUCCEED = EDT$$CS_LEFT ();
180 0750 2 |           EDT$$CS_TOP ();
181 0751 2 |           END
182 0752 2 |       ELSE
183 0753 2 |           BEGIN
184 0754 2 |           SUCCEED = EDT$$CS_RIGHT ();
185 0755 2 |           EDT$$CS_BOTBUF ();
186 0756 2 |           END;
187 0757 2 |
188 0758 2 |       END
189 0759 2 |   ELSE
190 0760 2 |
191 0761 2 |       IF (.SUCCEED EQL 1)
192 0762 2 |       THEN
193 0763 2 |
194 0764 2 |           IF (.INC_DELIM NEQ 0)
195 0765 2 |           THEN
196 0766 2 |               ! include the delimiter.
197 0767 2 |
198 0768 2 |               INCR I FROM 1 TO CH$RCHAR (.ENT) DO
199           EDT$$CS_RIGHT ();
```

EDT\$CHMF INENT
V04-000

EDT\$CHMF INENT - find page and paragraph entitie 15-Sep-1984 23:56:01
EDT\$\$FND_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMF INENT.BLI;1

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: 199
: 200
: 201
0769 2
0770 2
0771 1
RETURN (.SUCCEED);
END;

! of routine EDT\$\$FND_ENT

.TITLE EDT\$CHMF INENT EDT\$CHMF INENT - find page and par
agraph entitie

.IDENT \V04-000\

.EXTRN EDT\$\$STR_SEACMD
.EXTRN EDT\$\$CS_BOTBUF, EDT\$\$CS_LEFT
.EXTRN EDT\$\$CS_RIGHT, EDT\$\$CS_TOP
.EXTRN EDT\$\$G_SEA_BEG

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$FND_ENT, Save R2,R3,R4,R5,R6,R7,R8

MOVAB EDT\$\$CS_RIGHT, R8 : 0657
MOVAB EDT\$\$CS_LEFT, R7 :
MOVAB EDT\$\$G_SEA_BEG, R6 :
MOVL EDT\$\$G_SEA_BEG, SAVE_BEGIN : 0715
MOVL #1, EDT\$\$G_SEA_BEG : 0716
CLRL R2 : 0722
TSTL DIR :
BNEQ 3\$:
INCL R2 :
MOVZBL @ENT, R3 : 0725
MNEGL #1, 1 :
BRB 2\$:
CALLS #0, EDT\$\$CS_LEFT : 0726
AOBLEQ R3, 1, 1\$:
PUSHL DIR : 0731
CLRL -(SP) :
MOVZBL @ENT, -(SP) :
ADDL3 #1, ENT, -(SP) :
CALLS #4, EDT\$\$STR_SEACMD :
MOVL R0, SUCCEED :
MOVL SAVE_BEGIN, EDT\$\$G_SEA_BEG : 0735
TSTL SUCCEED : 0742
BNEQ 5\$:
BLBC R2, 4\$: 0746
CALLS #0, EDT\$\$CS_LEFT : 0749
MOVL R0, SUCCEED :
CALLS #0, EDT\$\$CS_TOP : 0750
BRB 8\$: 0746
CALLS #0, EDT\$\$CS_RIGHT : 0754
MOVL R0, SUCCEED :
CALLS #0, EDT\$\$CS_BOTBUF : 0755
BRB 8\$: 0742
CMPL SUCCEED, #1 : 0761
BNEQ 8\$:
TSTL INC_DELIM : 0764
BEQL 8\$:
MOVZBL @ENT, R3 : 0767
CLRL 1 :
BRB 7\$:
CALLS #0, EDT\$\$CS_RIGHT : 0768

01FC 00000
58 00000000G 00 9E 00002
57 00000000G 00 9E 00009
56 00000000G 00 9E 00010
55 66 D0 00017
66 01 D0 0001A
52 D4 0001D
08 AC D5 0001F
12 12 00022
52 D6 00024
53 04 BC 9A 00026
54 01 CE 0002A
03 11 0002D
67 00 FB 0002F 1\$:
F9 54 53 F3 00032 2\$:
08 AC DD 00036 3\$:
7E D4 00039
04 BC 9A 0003B
7E 01 C1 0003F
04 04 FB 00044
00 50 D0 0004B
54 55 D0 0004E
66 54 D5 00051
21 12 00053
0F 52 E9 00055
67 00 FB 00058
54 50 D0 0005B
00000000G 00 00 FB 0005E
28 11 00065
68 00 FB 00067 4\$:
54 50 D0 0006A
00000000G 00 00 FB 0006D
19 11 00074
01 54 D1 00076 5\$:
14 12 00079
0C AC D5 0007B
0F 13 0007E
53 04 BC 9A 00080
52 D4 00084
03 11 00086
68 00 FB 00088 6\$:

EDT\$CHMF INENT
V04-000

EDT\$CHMF INENT - find page and paragraph entitie
EDT\$FND_ENT - find page and paragraph entitie

H 8

15-Sep-1984 23:56:01

VAX-11 Bliss-32 V4.0-742

14-Sep-1984 12:22:30

[EDT.SRC]CHMF INENT.BLI;1

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(3)

F9
52
53
54

F3 0008B 7\$:
D0 0008F 8\$:
04 00092

AOBLEQ R3, I, 6\$
MOVL SUCCÉD, R0
RET

: 0770
: 0771

: Routine Size: 147 bytes, Routine Base: _EDT\$CODE + 0000

: 202 0772 1
: 203 0773 1 !<BLF/PAGE>

EDT\$CHMF INENT
V04-000

EDT\$CHMF INENT - find page and paragraph entitie 15-Sep-1984 23:56:01
EDT\$\$FND_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMF INENT.BLI;1

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: 205 0774 1 END
: 206 0775 1
: 207 0776 0 ELUDOM

! of module EDT\$CHMF INENT

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	147	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:CHMF INENT/OBJ=OBJ\$:CHMF INENT MSRC\$:CHMF INENT.BLI/UPDATE=(ENH\$:C
HMF INENT)

: Size: 147 code + 0 data bytes
: Run Time: 00:12.2
: Elapsed Time: 00:15.1
: Lines/CPU Min: 3816
: Lexemes/CPU-Min: 10386
: Memory Used: 78 pages
: Compilation Complete

0131 AH-BT13A-SE
VAX/VMS V4.0

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